

REAL ESTATE PLAN

SACRAMENTO RIVER BANK PROTECTION PROJECT
IN SUPPORT OF THE
POST AUTHORIZATION REPORT

July 2014

PREPARED
BY THE
SACRAMENTO DISTRICT
REAL ESTATE DIVISION
SOUTH PACIFIC DIVISION

TABLE OF CONTENTS

1.	STATEMENT OF PURPOSE
2.	PROJECT AUTHORITY
3.	PROJECT DESCRIPTION
4.	DESCRIPTION OF LERRDs
5.	LERRDs OWNED BY THE NFS AND CREDITING
6.	STANDARD FEDERAL ESTATES AND NON-STANDARD ESTATES
7.	DESCRIPTION OF ANY EXISTING FEDERAL PROJECT IN OR PARTIALLY IN THE PROPOSED PROJECT
8.	DESCRIPTION OF ANY FEDERALLY-OWNED LAND NEEDED FOR THE PROJECT
9.	APPLICATION OF NAVIGATIONAL SERVITUDE TO THE LERRDs REQUIREMENT
10.	PROJECT MAP (see Exhibit A)
11.	ANTICIPATED INCREASED FLOODING AND IMPACTS
12.	BASELINE COST ESTIMATE
13.	RELOCATION ASSISTANCE BENEFITS
14.	MINERAL / TIMBER ACTIVITY
15.	PROJECT SPONSOR RESPONSIBILITIES AND CAPABILITIES
16.	ZONING ANTICIPATED IN LIEU OF ACQUISITION
17.	ACQUISITION SCHEDULE
18.	DESCRIPTION OF FACILITY AND UTILITY RELOCATIONS
19.	HAZARDOUS, TOXIC, AND RADIOLOGICAL WASTE (HTRW)
20.	ATTITUDE OF LANDOWNERS AND COMMUNITY
21.	ASSESSMENT OF NON-FEDERAL SPONSOR'S REAL ESTATE ACQUISITION CAPABILITY
	EXHIBIT A PROJECT MAP
	EXHIBIT B EROSION SITES SUMMARY
	EXHIBIT C PARCEL INFORMATION SHEET
	EXHIBIT D SITE SPECIFIC REAL ESTATE INVENTORY CHECK –LIST
	EXHIBIT E AUTHORIZATION FOR ENTRY FOR CONSTRUCTION

**SACRAMENTO RIVER BANK PROTECTION PROJECT
REAL ESTATE PLAN
30 May 2014**

1. Statement of Purpose

The Sacramento River Bank Protection Project (SRBPP) is a long-term project to enhance public safety and protect property along the Sacramento River and its tributaries by periodic levee rehabilitation that protects the Sacramento River Flood Control Project from erosion failures. The U.S. Army Corps of Engineers, Sacramento District (Corps) is responsible for implementing the SRBPP together with its non-Federal sponsor (NFS), the California Central Valley Flood Protection Board.

This report is tentative in nature, focuses on the Bank Protection Plan (BPP), and is to be used for planning purposes only. The Real Estate Plan is intended to support the Post Authorization Change Report (PACR) for the SRBPP and is written to the same level of detail. **Once specific sites are identified for construction, Corps real estate will update the information listed in Exhibit D - Site Specific Real Estate Inventory Check-List. The updated Addendum will be reviewed and approved at the District level however Division will be notified which specific sites will be worked. This Addendum will better define the impacted parcels, costs of acquisition, schedule, etc.**

The BPP indicates that erosion sites represent a wide variety of site conditions and pose a variety of challenges to the delivery of the real estate necessary to accomplish and maintain the necessary repairs. This Real Estate Plan adheres to the Engineer Regulations for a Real Estate Plan (ER 405-1-12). The Real Estate Plan addresses what procedures should be implemented to guide and support the acquisition of real estate necessary to complete the PACR for the SRBPP and the measures that will be taken when specific sites are identified for construction.

2. Project Authority

The SRBPP was originally authorized by Section 203 of the Flood Control Act of 1960 and completed in 1975. Phase II, for 405,000 linear feet of bank protection, was authorized by the River Basin Monetary Authorization Act of 1974. Bank protection under this act will be completed in 2013. The SRBPP is a continuing construction project that requires ongoing planning and development to achieve project goals of providing erosion protection to the existing levee and flood control facilities of the Sacramento River Flood Control Project, which includes the Sacramento River and its tributaries.

An additional eighty thousand (80,000) linear feet was added to Phase II through a 2007 re-authorization. The 80,000 additional linear feet of river bank will be repaired along the Sacramento River and its tributaries to protect the existing levees and associated flood risk management infrastructure within the SRBPP area from stream erosion. The scope of this Real

Estate Plan is the 80,000 linear feet. This report is part of the overall PACR for Phase II 80,000 linear feet, which supports a new or amended Project Partnership Agreement (PPA) between the Corps and the NFS.

A bank protection plan for the 80,000 linear feet was developed as described in the SRBPP Phase II 80,000 Linear Feet Engineering Documentation Report (EDR). The bank protection plan is comprised of representative bank protection measures at 106 sites. Because erosion is dynamic and unpredictable, the 106 sites and repair measures are prototypical. Actual sites and measures identified during implementation may be different from what is included in the bank protection plan.

3. Project Description

The attached maps in Exhibit A indicate the scope of the SRBPP. Attached Exhibit B (Erosion Site Summary) provides a summary of the estimated 106+ sites required for the 80,000 linear feet project. Information included in this summary identifies the ownership, location, and assessor parcel numbers for all potential sites. Parcel Information Sheets are attached (Exhibit C-1) providing examples of the typical site within the Project. *These summaries were created by the consulting firm of Bender-Rosenthal.*

Due to the dynamic and uncertain nature of erosion, sites needing bank protection are identified and selected on an annual basis. Since it is impossible to predict future erosion, this real estate plan addresses the global issues for the project area. The actual sites and bank erosion measures that will be constructed during the implementation phase will vary from the sites and measures known at this time. **Once specific sites are identified for construction, Corps real estate will update the information listed in Exhibit D - Site Specific Real Estate Inventory Check-List. The updated Addendum will be reviewed and approved at the District level however Division will be notified which specific sites will be worked. This Addendum will better define the impacted parcels, costs of acquisition, schedule, etc.**

4. Description of LERRDs

Personnel from the Corps, California Central Valley Flood Protection Board, and the California Department of Water Resources (DWR) have conducted an annual field reconnaissance review of the Sacramento River Flood Control Project (Exhibit A- Map attached). The primary purposes of the review have been to: (a) monitor and document the condition of previously identified erosion sites; (b) inventory any new erosion sites; (c) identify critical erosion sites that appear to pose an imminent threat to the structural integrity of the flood control system; and (d) inventory sites better suited for maintenance practices.

Each site is essentially a “project” in itself. Repair options include: (1) waterside rip-rap; (2) construction of an adjacent landside levee, (3) construction of a setback levee; (4) construction of a landside berm and toe drain and (5) environmental mitigation measures. **When the specific**

sites are identified for construction, a standard take letter will be issued to the non-federal sponsor identifying the required estates and area necessary for the project. Typical required estates may include but not be limited to, permanent flood protection levee easements and temporary easements for access/haul routes and construction. If non-standard estates are required Division and Headquarters will be notified. It is not anticipated that non-standard estates will be required.

5. LERRDs Owned by the NFS and Crediting

Once the specific sites are identified, the extent of NFS-owned property and crediting implications can be determined. The NFS is entitled to receive credit against its share of project costs for the value of lands it provides and the value of the relocations that are required for the project. Generally, for the purpose of determining the amount of credit to be afforded, the value of the LER is the fair market value of the real property interest, plus certain incidental costs of acquiring those interests, that the non-federal sponsor provided for the project as required by the Government. In addition, the specific requirements relating to valuation and crediting contained in the executed PPA for a project must be reviewed and applied.

6. Standard Federal Estates and Non-Standard Estates

The SRBPP will acquire the minimum interests in real estate to support the construction, operation and maintenance of the project. The following standard estates are anticipated to be required for the project.

- **FLOOD PROTECTION LEVEE EASEMENT (FPLE):** A perpetual and assignable right and easement in (the land described in Schedule A) (Tracts Nos, ____, ____ and ____) to construct, maintain, repair, operate, patrol and replace a flood protection (levee) (floodwall)(gate closure) (sandbag closure), including all appurtenances thereto; reserving, however, to the owners, their heirs and assigns, all such rights and privileges in the land as may be used without interfering with or abridging the rights and easement hereby acquired; subject, however, to existing easements for public roads and highways, public utilities, railroads and pipelines.

- **BANK PROTECTION EASEMENT (BPE):** A perpetual and assignable easement and right-of-way in, on, over and across the land hereinafter described for the location, construction, operation, maintenance, alteration, repair, rehabilitation and replacement of a bank protection works, and for the placement of stone, riprap and other materials for the protection of the bank against erosion; together with the continuing right to trim, cut, fell, remove and dispose therefrom all trees, underbrush, obstructions, and other vegetation; and to remove and dispose of structures or obstructions within the limits of the right-of-way; and to place thereon dredged, excavated or other fill material, to shape and grade said land to desired slopes and contour, and to prevent erosion by structural and vegetative methods and to do any other work necessary and incident to the project; together with the right of ingress and egress for such work; reserving, however, to the landowners, their heirs and assigns, all such rights and privileges as may be used without interfering with or abridging the rights and easement hereby acquired; subject, however

to existing easements for public roads and highways, public utilities, railroads and pipelines.

▪ **TEMPORARY WORK AREA EASEMENT (TWAE):** A temporary easement and right-of-way in, on, over and across (the land described in Schedule A) (Tracts Nos. _____, _____ and _____), for a period not to exceed _____, beginning with date possession of the land is granted to the United States, for use by the United States, its representatives, agents, and contractors as a (borrow area) (work area), including the right to (borrow and/or deposit fill, spoil and waste material thereon) (move, store and remove equipment and supplies, and erect and remove temporary structures on the land and to perform any other work necessary and incident to the construction of the _____ Project, together with the right to trim, cut, fell and remove therefrom all trees, underbrush, obstructions, and any other vegetation, structures, or obstacles within the limits of the right-of-way; reserving, however, to the landowners, their heirs and assigns, all such rights and privileges as may be used without interfering with or abridging the rights and easement hereby acquired; subject, however, to existing easements for public roads and highways, public utilities, railroads and pipelines.

7. Description of any Existing Federal Projects in or Partially in the Proposed Project

There are two existing federal projects in the project area. Any potential overlap with these existing federal projects will be evaluated once specific sites are identified for construction. Below is a brief summary of each existing federal project.

West Sacramento

The West Sacramento Project encompasses levee improvements along portions of the Sacramento River, the Yolo Bypass, the Sacramento Bypass, and the Sacramento Deep Water Ship Channel (DWSC). The project aims to bring 50 miles of perimeter levees surrounding West Sacramento into compliance with applicable Federal and State standards for levees protecting urban areas.

A few years ago levee improvements were completed that were intended to provide an increased level of flood risk management for the City of West Sacramento. Since those upgrades were completed, under seepage deficiencies have been discovered with some of the levees surrounding the city. While levee improvements authorized for construction were redesigned to address any under seepage deficiencies, the remaining levees were not authorized to be reevaluated. As a result, the West Sacramento Area Flood Control Agency (WSAFCA) initiated a thorough state and locally-funded review of its flood risk management system. Since 2009, the Corps of Engineers has been conducting a General Reevaluation Report in cooperation with project sponsors (WSAFCA and the Central Valley Flood Protection Board) to evaluate the levee system and determine the federal interest in reducing the flood risk for the City of West Sacramento.

Approximately 4 of the 106+ prototypical sites lie within the West Sacramento project area.

American River Common Features

The Sacramento Area Flood Control Agency (SAFCA), in cooperation with the State of California, DWR through the Central Valley Flood Protection Board, has initiated urgently needed improvements to the Federal project levee system protecting the Natomas Basin. These improvements address identified deficiencies in the levee system based on changing engineering standards that have caused experts to significantly downgrade the system's performance capability. In July 2006, the Corps withdrew the certification of the Natomas Levee System. In response, FEMA withdrew the 100-year flood protection certification that was granted to the levee system only a decade ago. A catastrophic failure of the levee system around the Natomas Basin would imperil the health and safety of 80,000 residents, shut down Sacramento International Airport and two of California's most important interstate freeways (I-80 and U.S. Highway 50), severely damage an emerging Federal wildlife refuge, and cause a loss of over \$7 billion in residential, commercial and industrial property damage. SAFCA and the State are addressing these challenges by moving aggressively forward with the Natomas Levee Improvement Program.

Approximately 3 sites overlap with the American River Common Features project area.

8. Description of any Federally-owned Land Needed for the Project

There are no anticipated Federally-owned lands needed for the Project.

9. Application of Navigational Servitude to the LERRDs Requirement

The determination of the availability of the navigation servitude is a two-step process. First the Government must determine whether the project feature serves a purpose which is in the aid of commerce. Such purposes recognized by the courts include navigation, flood control and hydro-electric power. If it is so determined, then the second step is to determine whether the land at issue is located below the mean or ordinary high water mark of a navigable watercourse. Navigational servitude may be applicable in instances where barges will be used to place material or where below mean high water mark armoring of the bank will occur. Barges will only be utilized at project sites downstream of the confluence of the American and Sacramento Rivers.

10. Project Map

(See attached Exhibit A). These maps indicate the overall project site. Once specific sites are determined, maps will be generated and provided to the NFS.

11. Anticipated Increased Flooding and Impacts

As the design for each site is refined, an analysis for potential impacts will be performed.

12. Baseline Cost Estimate

Baseline Cost Estimates for the selected sites will be obtained prior to construction. This information will be provided to the PDT and incorporated in the total project cost estimates. The State of California, DWR has provided the following generalized cost estimate: *The estimated cost for all parcels cannot be referenced until further field review and project impacts are determined. Prior to construction, a cost estimate will occur and provided to the PDT.*

Typical Repair Site	Description of Typical Repair Sites	Average NFS Cost to Acquire Rights ^{1 2}	Average NFS Administrative Cost ^{2 3}	Average Federal Administrative Cost
1	<p><i>Waterside Rock Slope Repair Site where:</i></p> <p>A. Sponsor has existing levee rights in place that allows for construction</p> <p>B. Need to acquire waterside planting rights</p> <p>C. Need to acquire 10' easement for O&M requirements (Title 23)</p>	\$8,000/parcel	\$75,000/parcel	\$10,000/parcel
2	<p><i>Waterside Rock Slope Repair Site where:</i></p> <p>A. Need to acquire all necessary real property rights including waterside planting rights</p> <p>B. Need to acquire 10' easement for O&M requirements (Title 23)</p>	\$12,000/parcel	\$120,000/parcel	\$10,000/parcel
3	<p><i>Land Side Berm Repair Site where:</i></p> <p>A. Need to acquire all necessary real property rights including waterside planting rights</p> <p>B. Need to acquire 10' easement for O&M requirements (Title 23)</p>	\$35,000/parcel	\$150,000/parcel	\$10,000/parcel

4	<p><i>Setback Levee Repair Site where:</i></p> <p>A. Need to acquire all necessary real property rights including waterside planting rights</p> <p>B. Need to acquire 10' easement for O&M requirements (Title 23)</p>	\$75,000/parcel	\$250,000/parcel	\$10,000/parcel

1 Costs shown represent an estimate of average expenditures per parcel to acquire easements, access, staging, planting, O&M, and spoil site rights.

2 All figures shown in this table to do NOT include costs associated with any potential condemnation process or eminent domain proceedings.

3 The administrative cost shown, represent the average labor costs of DWR's Real Estate office only for site analyses, appraisals, negotiations, phase site assessments, legal coordination, environmental support, negotiations with respect to existing utility relocations, and closing of escrow. These figures do NOT include cost associated with efforts that may be required of the Geodetics Branch, Division of Environmental Services, and/or Division of Flood Management offices.

13. Relocation Assistance Benefits

The NFS must comply with the Uniform Relocation Assistance and Real Properties Acquisition Policies Act of 1970, as amended, 42 U.S.C. 4601 *et seq.* (P.L. 91-646, "the Uniform Act") and provide relocation assistance to qualifying residences and businesses within the project area that are displaced, as defined in the Uniform Act, as a consequence of USACE project implementation. A setback levee is the only type of repair that is anticipated to include possible relocation assistance benefits under P.L. 91-646.

14. Mineral/Timber Activity

There are no mineral or timber impacts associated with the project.

15. Project Sponsor Responsibilities and Capabilities

The California Central Valley Flood Protection Board will be the NFS for the project. The NFS has the responsibility to acquire all real estate interests required for the Project. The NFS shall accomplish all alterations and relocations of facilities, structures and improvements determined by the government to be necessary for construction of the Project. The sponsor will have operation and maintenance responsibility for the project after construction is completed.

Title to any acquired real estate will be retained by the NFS and will not be conveyed to the United States Government. Prior to advertisement of any construction contract, the NFS shall

furnish to the government an Authorization for Entry for Construction (Exhibit E) to all lands, easements and rights-of-way, as necessary. The NFS will also furnish to the government evidence supporting their legal authority to grant rights-of-way to such lands. The NFS shall comply with applicable provisions of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, Public Law 91-646, approved 2 January 1971, and amended by Title IV of the Surface Transportation Uniform Relocation Assistance Act of 1987, Public Law 100-17, effective 2 April 1989, in acquiring real estate interests for the Project, and inform all affected persons of applicable benefits, policies, and procedures in connection with said Act(s).

The NFS should not acquire lands required for the project prior to execution of the PPA. Should the NFS proceed with acquisition of lands prior to execution of the PPA, it is at the risk of not receiving credit or reimbursement for any costs incurred in the connection with the acquisition process should the PPA not be signed. There is also risk in acquiring lands either not needed for the project or not acquired in compliance with requirements for crediting purposes in accordance with 49 CFR Part 24, dated March 2, 1989. Letters advising the NFS of the risks of early acquisition will be sent as appropriate.

16. Zoning Anticipated in Lieu of Acquisition

There is no zoning in lieu of acquisition planned in connection with this Project.

17. Acquisition Schedule

Schedules will be completed once the specific sites are selected.

18. Description of Facility and Utility Relocations

As specific sites are selected for potential construction, the Corps will identify the specific locations and the nature of the potential impact to the facility/utility. The NFS will be responsible to insure the facility/utility is relocated prior to the completion of the construction, as required in the Corps regulations. Sample Parcel Information Sheets (Exhibit C-1) illustrate the type of documentation which will be provided to Corps Office of Counsel for their completion of the required Opinion of Compensability when a utility or facility is impacted by the specific construction site. A complete inventory of all utility/facilities has not been completed for all 106 sites.

ANY CONCLUSION OR CATEGORIZATION CONTAINED IN THIS REPORT THAT AN ITEM IS A UTILITY OR FACILITY RELOCATION TO BE PERFORMED BY THE NFS AS PART OF ITS LERRD RESPONSIBILITIES IS PRELIMINARY ONLY. THE GOVERNMENT WILL MAKE A FINAL DETERMINATION OF THE RELOCATIONS NECESSARY FOR THE CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE PROJECT AFTER FURTHER ANALYSIS AND COMPLETION AND APPROVAL OF FINAL ATTORNEY'S OPINIONS OF COMPENSABILITY FOR EACH OF THE IMPACTED UTILITIES AND FACILITIES.

19. Hazardous, Toxic and Radiological Waste (HTRW)

While there is minimal likelihood of HTRW on these sites; soil sampling will be conducted for any borrow material required. In addition, Underground Service Alter (USA) will be consulted prior to digging at any site and all site workers will be made aware of the proximity of any natural gas production operations which will also be communicated in the Site Safety and Health Plan (HTRW Reconnaissance Report, Corps, 2007; see section 8.1.2 of the PACR).

20. Attitude of Land Owners and Community

This on-going project has been supported by the local reclamation districts and the local land owners. Once specific sites are identified, determination of local attitudes will be addressed as provided in Exhibit D.

21. Assessment of Non-Federal Sponsor's Real Estate Acquisition Capability

SPONSOR: State of California, Central Valley Flood Protection Board

I. Legal Authority:

- a. Does the sponsor have legal authority to acquire and hold title to real property for project purposes? **Yes**
- b. Does the sponsor have the power of eminent domain for this project? **Yes**
- c. Does the sponsor have "quick-take" authority for this project? **Yes**
- d. Are any of the lands/interests in land required for the project located outside the sponsor's political boundary? **No**
- e. Are any of the lands/interests in land required for the project owned by an entity whose property the sponsor cannot condemn? **No**

II. Human Resource Requirements:

- a. Will the sponsor's in-house staff require training to become familiar with the real estate requirements of Federal projects including P.L. 91-646, as amended? **No**
- b. If the answer to II.a. is "yes," has a reasonable plan been developed to provide such training? **N/A**
- c. Does the sponsor's in-house staff have sufficient real estate acquisition experience to meet its responsibilities for the project? **Yes**

- d. Is the sponsor's project in-house staffing level sufficient considering its other workload, if any, and the project schedule? **Yes**
- e. Can the sponsor obtain contractor support, if required, in a timely fashion? **Yes**
- f. Will the sponsor likely request USACE assistance in acquiring real estate? **No**

III. Other Project Variables:

- a. Will the sponsor's staff be located within reasonable proximity to the project site? **Yes**
- b. Has the sponsor approved the project real estate schedule/milestones? **N/A**

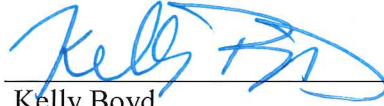
IV. Overall Assessment:

- a. Has the sponsor performed satisfactorily on other USACE projects? **Yes**
- b. With regard to this project, the sponsor is anticipated to be: **State of California Central Valley Flood Protection Board**

V. Coordination:

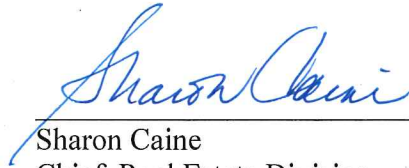
- a. Has this assessment been coordinated with the sponsor? **Yes**
- b. Does the sponsor concur with this assessment? **Yes**

Prepared by:



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EXHIBIT A

PROJECT MAPS

EXHIBIT B

EROSION SITES SUMMARY

107 Erosion Sites																
USL (USACE)															DSL (USACE)	
Site No.	River	Mile Marker	Left or Right Bank	River Mile or Levee Mile	Lat	Long	Lat	Long	Evaluated Alternatives	APN	Acres	Land Use	County	Owner Name	Site Address	Owner Address
1	BR	0.8	L	RM	38.9470	-121.5637	38.9465	-121.5641	1,2,3,10	SSJJD?		Ag				
2	CC	3.9	L	LM	38.7282	-7937.0000	38.7276	-121.7803	1,2,10	027-170-39-1	20.28	Ag	Yolo		39475 County Road 17A, Woodland Ca 95695	
3	CS	15.9	L	RM	38.2000	-121.6557	38.1995	-121.6558	1,8,9	0177-060-08	266.9	Ag	Solano		3338 State Highway 84, Walnut Grove, CA 95690	
3	CS	15.9	L	RM	38.2000	-121.6557	38.1995	-121.6558	1,8,9	0177-060-01	252.16	Ag	Solano		3452 State Highway 84, Walnut Grove, CA 95690	
4	CS	22.8	R	RM	38.2819	-121.7170	38.2814	-121.7166	1,8,9	0042-160-13	647.42	Ag	Solano		Solano Ca 94571	
5	CS	23.6	R	RM	38.2883	-121.7246	38.2865	-121.7230	1,8,10	0042-140-22	314.05	Ag	Solano		Solano Ca 94571	
6	ChC	14	L	LM	39.4223	-121.7724	39.4218	-121.7727	1	022-120-044-00	50	Ag	Butte		Biggs Ca, 95917	
7	ChC	21.9	L	LM	39.3653	-121.8617	39.3625	-121.8673	1,2,3	022-060-035-00	6	Ag	Butte		Biggs Ca, 95917	
8	DWSC	5	L	LM	38.4377	-121.5977	38.4374	-121.5977	1	044-110-21	216.03	Ag	Yolo		Willow Point Road	
9	DWSC	5.01	L	LM	38.4374	-121.5978	38.4372	-121.5979	1	033-180-19					West Sacramento	
10	DC	2.4	L	LM	39.9629	-121.0314	39.9627	-122.0317	1,2,3,10	079-130-11-1	120	Ag	Tehama		Corning , Ca 96021	
11	EC	1.4	L	LM	40.0516	-122.1642	40.0520	-122.1631	1,4,5,10	064-060-03-1	28.13	Ag	Tehama		Gerber Ca 96035	
12	EC	3	R	LM	40.0548	-122.1407	40.0550	-122.1403	1,4,5,10	064-260-29-1	133.14	Ag	Tehama		Gerber Ca 96035	
13	EC	4.1	L	LM	40.0553	-122.1279	40.0547	-122.1272	1,10	064-040-06-1	88.76	Ag	Tehama		24460 E Chard Ave, Gerber Ca 96035	
13	EC	4.1	L	LM	40.0553	-122.1279	40.0547	-122.1272	1,10	064-260-14-1	257.57	Ag	Tehama		9050 Holmes Roaf, Gerber, Ca 96035	
14	FR	0.6	L	RM	38.7937	-121.6285	38.7934	-121.7934	1,4,5							
15	FR	4.9	L	RM	38.8503	-121.6295	38.8478	-121.6304	1,4,5	33-050-001	145.71	Ag	Sutter		4606 Garden Hwy, Nicolaus Ca 95659	
16	GS	0.3	L	RM	38.1300	-121.5865	38.1303	-121.5823	1,8,9,10	156-0070-001	622.35	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
17	GS	1.7	L	RM	38.1435	-121.5998	38.1403	-121.5972	1,8,9,10	156-0070-001	622.35	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
18	GS	2.5	L	RM	38.1508	-121.5936	38.1512	-121.5947	1,8,10	156-0070-001	623.35	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
19	GS	3.6	L	RM	38.1561	-121.5918	38.1529	-121.5913	1,8,9,10	156-0060-018	460.49	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
20	GS	3.7a	L	RM	38.1570	-121.5913	38.1564	-121.5917	1,8,9,10	156-0060-018	461.49	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
21	GS	3.7b	L	RM	38.1570	-121.5906	38.1569	-121.5908	1,8,9,10	156-0060-018	462.49	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
22	GS	4	L	RM	38.1571	-121.5874	38.1572	-121.5891	1,8,9,10	156-0060-018	463.49	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
23	GS	4.3	L	RM	38.1600	-121.5853	38.1576	-121.5867	1,8,9,10	156-0060-018	463.49	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
23	GS	4.3	L	RM	38.1600	-121.5853	38.1576	-121.5867	1,8,9,10	156-0050-034	187	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
24	GS	4.5	L	RM	38.1612	-121.5845	38.1611	-121.5846	1,8,9,10	156-0050-034	187	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
25	GS	4.6	L	RM	38.1645	-121.5832	38.1616	-121.5846	1,8,9,10	156-0050-032	181	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
25	GS	4.6	L	RM	38.1645	-121.5832	38.1616	-121.5846	1,8,9,10	156-0050-033	179	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
25	GS	4.6	L	RM	38.1645	-121.5832	38.1616	-121.5846	1,8,9,10	156-0050-034	187	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
26	GS	5.3	L	RM	38.1763	-121.5801	38.1680	-121.5817	1,8,9,10	156-0050-014	78.82	Ag	Sacramento		16021 Tyler Island Road, Isleton Ca 95641	
26	GS	5.3	L	RM	38.1763	-121.5801	38.1680	-121.5817	1,8,9,10	156-0050-030	172	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
26	GS	5.3	L	RM	38.1763	-121.5801	38.1680	-121.5817	1,8,9,10	156-0050-031	151	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
27	GS	6.1	L	RM	38.1821	-121.5703	38.1815	-121.5761	1,8,9,10	156-0050-001	79.6	Ag	Sacramento		Tyler Island Road, Isleton Ca 95641	
27	GS	6.1	L	RM	38.1821	-121.5703	38.1815	-121.5761	1,8,9,10	156-0030-008	146.24	Ag	Sacramento		Tyler Island Road, Walnut Grove Ca 95690	
28	GS	6.4	L	RM	38.1834	-121.5679	38.1827	-121.5690	1,8,9,10	156-0030-008	146.24	Ag	Sacramento		Tyler Island Road, Walnut Grove Ca 95690	
29	GS	6.6	L	RM	38.1855	-121.5634	38.1852	-121.5645	1,8,9,10	156-0030-008	146.24	Ag	Sacramento		Tyler Island Road, Walnut Grove Ca 95690	
30	GS	6.8	L	RM	38.1880	-121.5588	38.1860	-121.5617	1,8,9,10	156-0030-002	546.55	Ag	Sacramento		Tyler Island Road, Walnut Grove Ca 95690	
31	GS	8.3	L	RM	38.2008	-121.5426	38.2007	-121.5428	1,8,9,10	156-0030-002	546.55	Ag	Sacramento		Tyler Island Road, Walnut Grove Ca 95690	
32	GS	9.3	L	RM	38.2139	-121.5377	38.2117	-121.5356	1,8,9,10	156-0020-025	169.2	Ag	Sacramento		Levee Road, Walnut Grove Ca 95690	
33	KLRC	0.2	R	LM	38.7223	-121.6663	38.7189	-121.6639	1, 2, 3	057-090-06-1	140.16	Ag	Yolo		Woodland, Ca 95695	
33	KLRC	0.2	R	LM	38.7223	-121.6663	38.7189	-121.6639	1, 2, 3	057-090-08-1	43	Ag	Yolo		Woodland, Ca 95695	
33	KLRC	0.2	R	LM	38.7223	-121.6663	38.7189	-121.6639	1, 2, 3	057-130-02-1	218.32	Ag	Yolo		West Sacramento, CA 95695	
34	KLRC	3	L	LM	38.7579	-121.6930	38.7549	-121.6926	1, 2, 3	056-230-07-1	185.3	Ag	Yolo		11750 County Road 116B, Woodland Ca 95776	
35	KLRC	3.1	L	LM	38.7595	-121.6940	38.7586	-121.6933	1, 2, 3	056-230-07-1	185.3	Ag	Yolo		11750 County Road 116B, Woodland Ca 95776	
36	KLRC	4.2	L	LM	38.7719	-121.7018	38.7709	-121.7015	1, 2, 3	056-220-04-1	85.85	Ag	Yolo		Woodland, Ca 95695	
37	KLRC	5.3	L	LM	38.7926	-121.7240	38.7758	-121.7038	1, 2, 3	056-360-06-1	1.39	Ag	Yolo		Woodland CA 95776	
37	KLRC	5.3	L	LM	38.7926	-121.7240	38.7758	-121.7038	1, 2, 3	056-350-28-1	11.82	Ag	Yolo		Woodland CA 95776	
37	KLRC	5.3	L	LM	38.7926	-121.7240	38.7758	-121.7038	1, 2, 3	056-350-13-1	15.76	Vacant	Yolo		42490-8 Ridge Cut Rd, Woodland CA 95776	
37	KLRC	5.3	L	LM	38.7926	-121.7240	38.7758	-121.7038	1, 2, 3	056-170-37-1	472.6	Ag	Yolo		Woodland CA 95776	
37	KLRC	5.3	L	LM	38.7926	-121.7240	38.7758	-121.7038	1, 2, 3	056-220-05-1	146.06	Ag	Yolo		11300 County Road 116B, Woodland CA 95776	
38	LAR	7.3	R	RM	38.5610	-121.4154	38.5614	-121.4168	1	295-0040-012	7.08	Public	Sacramento		Sacramento, Ca 95825	
38	LAR	7.3	R	RM	38.5610	-121.4154	38.5614	-121.4168	1	295-0040-004	16.03	Public	Sacramento		1000 University Ave, Sacramento Ca 95825	
39	NCC	3	L	LM	38.8042	-121.5745	38.8039	-121.5751	1, 4, 5	35-130-001	95.93	Vacant	Sutter		Hwy 99 Pleaseant Grove CA 95668	
40	Sac	21.5	L	RM	38.2006	-121.5577	38.2002	-121.5578	1, 8, 9	156-0030-001	137.82	Ag	Sacramento		15277 Isleton Road, Isleton CA 95641	
41	Sac	22.5	L	RM	38.2134	-121.5573	38.2111	-121.5571	1, 8, 9	156-0020-016	50	Ag	Sacramento		Isleton Road, Sacramento Ca 95841	
41	Sac	22.5	L	RM	38.2134	-121.5573	38.2111	-121.5571	1, 8, 9	156-0020-066	67.85	Ag	Sacramento		14901 Isleton Road, Isleton Ca 95641	
42	Sac	22.7	L	RM	38.2190	-121.5568	38.2181	-121.5569	1, 8, 9	156-0020-065	45.67	Ag	Sacramento		Isleton Road, Isleton CA 95641	
43	Sac	23.2	L	RM	38.2249	-121.5558	38.2232	-121.5558	1, 8, 10	156-0010-023	100.15	Ag	Sacramento		Isleton Road, Sacramento Ca 95841	

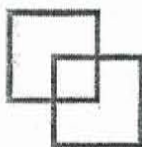
HDR

43	Sac	23.2	L	RM	38.2249	-121.5558	38.2232	-121.5558	1, 8, 10	156-0020-001	76.22	Ag	Sacramento		14825 Isleton Road, Isleton Ca 95641
44	Sac	23.3	L	RM	38.2273	-121.5557	38.2266	-121.5557	1, 8, 9, 10	156-0010-023	100.15	Ag	Sacramento		Isleton Road, Sacramento Ca 95841
45	Sac	24.8	L	RM	38.2405	-121.5441	38.2408	-121.5468	1, 8, 10	156-0010-008	45.07	Ag	Sacramento		14001 Isleton Road, Isleton CA 95641
45	Sac	24.8	L	RM	38.2405	-121.5441	38.2408	-121.5468	1, 8, 10	156-0010-050	78.86	Ag	Sacramento		14087 Isleton Road, Isleton CA 95641
46	Sac	25.2	L	RM	38.2391	-121.5377	38.2393	-121.5388	1, 8, 9, 10	156-0010-044	44.56	Ag	Sacramento		Isleton Road, Sacramento Ca 95841
46	Sac	25.2	L	RM	38.2391	-121.5377	38.2393	-121.5388	1, 8, 9, 10	156-0010-043	2	SFR	Sacramento		13851 Isleton Road, Isleton Ca 95641
46	Sac	25.2	L	RM	38.2391	-121.5377	38.2393	-121.5388	1, 8, 9, 10	156-0010-010	40	SFR	Sacramento		13783 Isleton Road, Isleton Ca 95641
47	Sac	31.6	R	RM	38.2957	-121.5662	38.2948	-121.5653	1, 2, 3	142-0030-005	49.82	Ag	Sacramento		12710 State Highway 160, Walnut Grove CA 9569
47	Sac	31.6	R	RM	38.2957	-121.5662	38.2948	-121.5653	1, 2, 3	142-0030-004	0.56	SFR	Sacramento		12680 State Highway 160, Walnut Grove CA 95690
48	Sac	35.3	R	RM	38.3421	-121.5614	38.3416	-121.5617	1, 4, 5, 10	043-070-13-1	71.79	Ag	Yolo		40918 S River Road, Clarksburg Ca 95612
49	Sac	35.4	R	RM	38.3438	-121.5597	38.3437	-121.5599	1, 4, 5, 10	034-070-12-1	197	Ag	Yolo		4073034S River Road, Clarksburg CA 95612
50	Sac	38.5	R	RM	38.3719	-121.5235	38.3709	-121.5230	1, 2, 3, 10	043-090-10-1	243.18	Ag	Yolo		S River Road, Clarksburg CA 95612
51	Sac	56.5	R	RM	38.5513	-121.5143	38.5503	-121.5140	1, 6, 7	046-010-14-1	6.19	Residen	Yolo		2590 S River Road, West Sacramento CA 95691
52	Sac	56.6	L	RM	38.5520	-121.5123	38.5518	-121.5122	1, 4, 5	012-0010-032	1.07	Public	Sacramento		Sacramento CA 95818
53	Sac	56.7	R	RM	38.5541	-121.5156	38.5524	-121.5150	1, 6, 7	046-010-44-1	9.09	Recreat	Yolo		S River Road, West Sacramento CA 95691
54	Sac	58.4	L	RM	38.5934	-121.5063	38.5922	-121.5058	1, 2, 3	009-0012-073	2.18	Public	Sacramento		Sacramento, CA 95818
54	Sac	58.4	L	RM	38.5934	-121.5063	38.5922	-121.5058	1, 2, 3	009-0012-045	0.55	Public	Sacramento		Sacramento, CA 95818
55	Sac	60.1	L	RM	38.5716	-121.5136	38.5710	-121.5145	1, 4, 5	001-0190-009	1.62	Public	Sacramento		Jibboom Street, Sacramento CA 95811
55	Sac	60.1	L	RM	38.5716	-121.5136	38.5710	-121.5145	1, 4, 5	001-0190-001	0.92	Public	Sacramento		Sacramento CA 95814
55	Sac	60.1	L	RM	38.5716	-121.5136	38.5710	-121.5145	1, 4, 5	001-0190-012	0.14	Public	Sacramento		Sacramento CA 95814
56	Sac	62.9	R	RM	38.6013	-121.5532	38.6009	-121.5528	1, 6, 7	014-600-34-1	1.4	Vacant	Yolo		N Harbor Blvd, West Sacramento CA
56	Sac	62.9	R	RM	38.6013	-121.5532	38.6009	-121.5528	1, 6, 7	014-980-03		Unknov	Yolo		West Sacramento, CA 95605
57	Sac	63	R	RM	38.6018	-121.5541	38.6016	-121.5539	1, 6, 7	014-600-34-1	1.4	Vacant	Yolo		N Harbor Blvd, West Sacramento, CA
57	Sac	63	R	RM	38.6018	-121.5541	38.6016	-121.5539	1, 6, 7	014-600-15-1	2	Service	Yolo		N Harbor Blvd, West Sacramento, CA
58	Sac	74.4	R	RM	38.7213	-121.6064	38.7177	-121.6079	1, 6, 7	057-110-03-1	319.13	Ag	Yolo		14914-28CR 117, West Sacramento Ca 95691
58	Sac	74.4	R	RM	38.7213	-121.6064	38.7177	-121.6079	1, 6, 7	057-120-01-1	254.03	Ag	Yolo		15124 County Road 117/ 15090, West Sacramento CA 95691
59	Sac	75.3	R	RM	38.7105	-121.6123	38.7084	-121.6150	1, 2, 3	057-060-07-1	485.68	Ag	Yolo		1405284 County Road 117, West Sacramento, CA 95691
59	Sac	75.3	R	RM	38.7105	-121.6123	38.7084	-121.6150	1, 2, 3	057-110-01-1	100.56	Ag	Yolo		1413038 County Road 117, West Sacramento, CA 95691
59	Sac	75.3	R	RM	38.7105	-121.6123	38.7084	-121.6150	1, 2, 3	057-110-03-1	319.13	Ag	Yolo		14914-28CR 117, West Sacramento Ca 95691
60	Sac	77.7	R	RM	38.7653	-121.5950	38.7648	-121.5948	1, 2, 3	057-040-02-1	585.72	Ag	Yolo		County Road 107A, West Sacramento Ca 95697
61	Sac	78.3	L	RM	38.7745	-121.5989	38.7729	-121.5978	1, 2, 3	35-020-010	6.82	Ag	Sutter		CA
62	Sac	86.3	L	RM	38.7773	-121.6860	38.7704	-121.6906	1, 2, 3	34-022-007	1.76	Vacant	Sutter		Knights Landing CA 95645
63	Sac	86.5	R	RM	38.7773	-121.6866	38.7771	-121.6865	1, 6, 7	056-170-17-1	22.14	Ag	Yolo		Knights Landing Ca 95645
63	Sac	86.5	R	RM	38.7773	-121.6866	38.7771	-121.6865	1, 6, 7	056-220-20-1	45.88	Ag	Yolo		County Road 116B, Woodland CA 95776
64	Sac	86.9	R	RM	38.7804	-121.6882	38.7790	-121.6873	1, 6, 7	056-170-16-1	27.1	Ag	Yolo		10785 County Road 116B, Woodland CA 95776
64	Sac	86.9	R	RM	38.7804	-121.6882	38.7790	-121.6873	1, 6, 7	056-170-17-1	22.14	Ag	Yolo		Knights Landing CA 95645
65	Sac	92.8	L	RM	38.8404	-121.7269	38.8388	-121.7302	1, 2, 3, 10	29-190-040	29	Ag	Sutter		Cranmore Road, Knights Landing Ca 95645
65	Sac	92.8	L	RM	38.8404	-121.7269	38.8388	-121.7302	1, 2, 3, 10	29-190-039	33	Ag	Sutter		19760 Cranmore Road, Knights Landing, Ca 95645
66	Sac	95.8	L	RM	38.8706	-121.7521	38.8719	-121.7493	1, 2, 3	29-180-014	2.34	Ag	Sutter		Cranmore Road, Knights Landing Ca 95645
67	Sac	96.2	L	RM	38.8692	-121.7564	38.8705	-121.7522	1, 2, 3	29-180-014	2.34	Ag	Sutter		Cranmore Road, Knights Landing Ca 95645
67	Sac	96.2	L	RM	38.8692	-121.7564	38.8705	-121.7522	1, 2, 3	29-180-003	0.82	Utilities	Sutter		Cranmore Road, Knights Landing Ca 95645
67	Sac	96.2	L	RM	38.8692	-121.7564	38.8705	-121.7522	1, 2, 3	29-180-027	1.06	Utilities	Sutter		Cranmore Road, Knights Landing Ca 95645
67	Sac	96.2	L	RM	38.8692	-121.7564	38.8705	-121.7522	1, 2, 3	29-180-020	17.79	Vacant	Sutter		Knights Landing CA 95645
68	Sac	99	L	RM	38.8619	-121.7841	38.8574	-121.7839	1, 2, 3, 10	29-180-015	98.92	Vacant	Sutter		Cranmore Road, Knights Landing Ca 95645
69	Sac	101.3	R	RM	38.8751	-121.8136	38.8749	-121.8130	1, 6, 7, 10	053-120-06-1	234.36	Ag	Yolo		4795 Hwy 45, Knights Landing Ca 95645
70	Sac	103.4	L	RM	38.9011	-121.8026	38.9009	-121.8027	1	29-020-009	4.13	Ag	Sutter		Knights Landing CA 95645
71	Sac	104	L	RM	38.9027	-121.7909	38.9014	-121.8012	1, 2, 3	29-020-013	2.69	Ag	Sutter		Cranmore Road, Knights Landing Ca 95645
71	Sac	104	L	RM	38.9027	-121.7909	38.9014	-121.8012	1, 2, 3	29-020-014	5.74	Ag	Sutter		15503 Cranmore Road, Knights Landing CA 95645
71	Sac	104	L	RM	38.9027	-121.7909	38.9014	-121.8012	1, 2, 3	29-020-010	105.26	Ag	Sutter		Knights Landing CA 95645
71	Sac	104	L	RM	38.9027	-121.7909	38.9014	-121.8012	1, 2, 3	29-020-009	4.13	Ag	Sutter		Knights Landing CA 95645
72	Sac	104.5	L	RM	38.9066	-121.7928	38.9040	-121.7904	1, 4, 5	SSJJD?					
73	Sac	116	L	RM	39.0014	-121.8029	38.9997	-121.8009	1, 4, 5	SSJJD?					
73	Sac	116	L	RM	39.0014	-121.8029	38.9997	-121.8009	1, 4, 5	24-090-017					
73	Sac	116	L	RM	39.0014	-121.8029	38.9997	-121.8009	1, 4, 5	24-090-018	150	Vacant	Sutter		9260 Cranmore Road, Meridian CA 95957
74	Sac	116.5	L	RM	39.0062	-121.8125	39.0033	-121.8050	1, 4, 5	24-010-006	1	Grazing	Sutter		Cranmore Road, Meridian CA 95957
74	Sac	116.5	L	RM	39.0062	-121.8125	39.0033	-121.8050	1, 4, 5	24-009-001	112	Vacant	Sutter		Meridian Ca 95957
75	Sac	122	R	RM	39.0640	-121.8393	39.0634	-121.8389	1, 6, 7, 10	19-120-011	12	Ag	Colusa		CA
76	Sac	122.3	R	RM	39.0663	-121.8436	39.0659	-121.8429	1, 6, 6, 10	19-120-011	12	Ag	Colusa		CA
76	Sac	122.3	R	RM	39.0663	-121.8436	39.0659	-121.8429	1, 6, 6, 10	19-120-009	17	Ag	Colusa		Colusa CA 95932
77	Sac	123.3	L	RM	39.0692	-121.8580	39.0693	-121.8576	1, 6, 7	21-050-047	4	Ag	Sutter		Meridian Ca 95957
78	Sac	123.7	R	RM	39.0666	-121.8672	39.0667	-121.8668	1, 4, 5	19-120-017	2.9	Ag	Colusa		Colusa CA 95932
79	Sac	127.9	R	RM	39.1007	-121.9042	39.1001	-121.9039	1, 2, 3, 10	19-030-043	18.5				

83	Sac	133.8	L	RM	39.1427	-121.9184	39.1422	-121.9187	1, 4, 5	13-060-010	53.59	Ag	Sutter		900 S Meridian Road, Meridian Ca 95957	
84	Sac	136.6	L	RM	39.1739	-121.9388	39.1723	-121.9379	1, 4, 5	13-010-036	58	Ag	Sutter		3207B N Meridian Road, Meridian CA 95957	
84	Sac	136.6	L	RM	39.1739	-121.9388	39.1723	-121.9379	1, 4, 5	13-010-007	20.25	Ag	Sutter		2991 N Meridian Road, Meridian Ca 95957	
85	Sac	138.1	L	RM	39.1932	-121.9358	39.1900	-121.9342	1, 4, 5, 10	08-140-020	2.3	Ag	Sutter		4500 Marty Road, Meridian CA 95957	
86	Sac	152.8	L	RM	39.2852	-122.0153	39.2846	-122.0157	1, 6, 7	12-270-030	59.07	Ag	Colusa		Colusa CA 95932	
87	Sac	163	L	RM	39.3996	-122.0035	39.3964	-122.0026	1, 6, 7	013-170-001-0	5	Ag	Glenn		Butte City, Ca 95920	
87	Sac	163	L	RM	39.3996	-122.0035	39.3964	-122.0026	1, 6, 7	013-170-003-0	40.45	Waste	Glenn		CA	
88	Sac	168.3	L	RM	39.4552	-121.9944	39.4536	-121.9943	1, 6, 7, 10	016-060-011-9	9.83	Ag	Glenn		Butte City, Ca 95920	
89	Sac	172	L	RM	39.5566	-122.0035	39.5539	-122.0026	1, 6, 7	016-030-014	20.3	Waste	Glenn		Butte City, Ca 95920	
89	Sac	172	L	RM	39.5566	-122.0035	39.5539	-122.0026	1, 6, 7	016-030-021	11.36	Waste	Glenn		Butte City, Ca 95920	
90	StS	18.8	R	RM	38.2126	-121.6097	38.2116	-121.6098	1, 8, 9	0177-050-130	141.14	Ag	Solano		3645 Ryer Road E, Walnut Grove CA 95690	
90	StS	18.8	R	RM	38.2126	-121.6097	38.2116	-121.6098	1, 8, 9	0177-060-040	37.4	Ag	Solano		3585 Ryer Road E, Walnut Grove Ca 95690	
91	StS	23.2	L	RM	38.2693	-121.5890	38.2786	-121.5898	1	142-0040-011	3.64	Restaur	Sacramento		13415 Grand Island Road, Walnut Grove, CA 95690	
91	StS	23.2	L	RM	38.2693	-121.5890	38.2786	-121.5898	1	142-0040-016	0.66	Public	Sacramento		Isleton Ca 95690	
92	StS	23.9	R	RM	38.2790	-121.5895	38.2865	-121.5849	1, 8, 9	142-0020-042	59.52	Ag	Sacramento		15169 Sutter Island Road, Courtland Ca 95615	
93	StS	24.7	R	RM	38.2887	-121.5837	38.2865	-121.5849	1, 8, 9	142-0020-053	38.48	Ag	Sacramento		Sutter Island Road, Sacramento, Ca 95815	
93	StS	24.7	R	RM	38.2887	-121.5837	38.2865	-121.5849	1, 8, 9	142-0020-054	1.46	SFR	Sacramento		15473 Sutter Island Road, Courtland CA 95615	
94	StS	25	L	RM	38.2934	-121.5800	38.2927	-121.5829	1, 8, 9	142-0030-013	55	Ag	Sacramento		12805 grand Island Road, Walnut Grove Ca 95690	
94	StS	25	L	RM	38.2934	-121.5800	38.2927	-121.5829	1, 8, 9	142-0030-016	83.63	Ag	Sacramento		12579 Grand Island Road, Walnut Grove CA, 95690	
95	StS	25.8	R	RM	38.3023	-121.5300	38.3017	-121.5796	1, 8, 9	142-0010-028	59.04	Ag	Sacramento		Sutter Island Road, Courtland Ca 95615	
96	StS	26	L	RM	38.3031	-121.5774	38.3026	-121.5783	1, 8, 9	142-0030-029	3.13	Marina	Sacramento		12530 Grand Island Road, Walnut Grove CA 95690	
97	SS	24.7	R	RM	38.2955	-121.6056	38.2909	-121.6044	1, 8, 9	0042-200-430	80.26	Ag	Solano		Solano CA 95620	
97	SS	24.7	R	RM	38.2955	-121.6056	38.2909	-121.6044	1, 8, 9	0042-200-220	100.65	Ag	Solano		Solano Ca 95620	
98	SS	26.5	L	RM	38.3154	-121.5915	38.3140	-121.5922	1, 8, 9	142-0010-033	179.8	Ag	Sacramento		Sutter Slough Road, Courtland Ca 95615	
99	WS	0.2	L	LM	38.5908	-121.6649	38.5909	-121.6597	1	042-140-13-1	224.38	Ag	Yolo		23 Russell Blvd, Davis CA 95616	
100	WS	0.7	L	LM	38.5905	-121.6751	38.5907	-121.6678	1	042-140-09-1	190.44	Ag	Yolo		45400 County Road 28H, Davis CA 95618	
101	WS	6.9	R	LM	38.5789	-121.6474	38.5770	-121.6472	1, 2, 3	042-240-18-1	199.82	Ag	Yolo		Woodland, Ca 95695	
102	YBP2	0.1	R	LM	38.6732	-121.6717	38.6721	-121.6715	1, 2, 3	057-190-11-1			Yolo			
103	YBP2	2	R	LM	38.6489	-121.6667	38.6482	-121.6664	1, 2, 3	042-180-03-1	472.8	Ag	Yolo		County Road 25, Woodland Ca 95776	
104	YBP1	2.5	R	LM	38.7269	-121.6601	38.7264	-121.6601	1, 2, 3	057-070-02-1	195.21	Ag	Yolo		Woodland, Ca 95695	
104	YBP1	2.5	R	LM	38.7269	-121.6601	38.7264	-121.6601	1, 2, 3	057-090-07-1	26.42	Ag	Yolo		Woodland, Ca 95695	
104	YBP1	2.5	R	LM	38.7269	-121.6601	38.7264	-121.6601	1, 2, 3	057-100-01-1	920	Ag	Yolo		T10N R3E Por Sec 4 & 5, Woodland Ca	
105	YBP1	2.6	R	LM	38.7255	-121.6620	38.7244	-121.6645	1	057-090-07-1	26.42	Ag	Yolo		Woodland Ca 95695	
105	YBP1	2.6	R	LM	38.7255	-121.6620	38.7244	-121.6645	1	057-100-05-1	124.5	Ag	Yolo		Woodland Ca 95695	
106	YBP2	3.8	R	LM	38.6222	-121.6483	38.6183	-121.6454	1, 2, 3	042-210-01-1	160	Ag	Yolo		Woodland Ca 95695	
106	YBP2	3.8	R	LM	38.6222	-121.6483	38.6183	-121.6454	1, 2, 3	042-210-02-1						
107	YR	2.3	L	LM	39.1532	-121.5143	39.1504	-121.5174	1, 2, 10	18-190-001-0	26	Ag	Yuba		Marysville, Ca 95901	
107	YR	2.3	L	LM	39.1532	-121.5143	39.1504	-121.5174	1, 2, 10	18-140-040-0	280.63	Ag	Yuba		7015 Dantoni Road, Marysville CA 95901	

EXHIBIT C

PARCEL INFORMATION SHEET



BENDER ROSENTHAL, INC.

COMMERCIAL VALUATION AND RIGHT OF WAY SERVICES

4400 Auburn Boulevard, Suite 102
Sacramento, CA 95841
main: 916.978.4900 • fax: 916.978.4904
www.benderrosenthal.com

SRBPP - Project Site Information Sheet

BRI Site No. _____ DWR Site No. _____

Site Location: Sacramento River RM 77.2L Site Length: 377 Feet

	<u>Upstream Waypoint</u>	<u>Downstream Waypoint</u>	<u>Midpoint</u>
Latitude:	<u>-121.5919669</u>	<u>-121.5921838</u>	<u>N/A</u>
Longitude:	<u>38.76106172</u>	<u>38.75920993</u>	<u>N/A</u>

Type of Repair: ☐ rip-rap ☐ rock benches ☐ setback levee ☐ other
Construction: ☐ landside ☐ waterside

Construction Contract Work:

Ayres Memorandum dated January 19, 2008

Design Submittal:

Plats:	Date _____	Received Date _____		
Legals:	Date _____	Received Date _____		
Construction Plans:	30%	60%	90%	100%
Date:	_____	_____	_____	_____
Received Date:	_____	_____	_____	_____

No. of Parcels per Project Site: 2 parcels (2 property owners)

	<u>(Owner 1)</u>	<u>(Owner 2)</u>	<u>(Owner 3)</u>
Rights Required:			
Last Name	_____	_____	_____
APN:	<u>35-030-008</u>	<u>35-362-001</u>	_____
Scoping PTE	_____	_____	_____
Secured? Y/N	_____	_____	_____
Effective Date	_____	_____	_____
Expiration Date:	_____	_____	_____
Fee (acres)	_____	_____	_____
Easement (type)	_____	_____	_____
Size (acres):	_____	_____	_____
TCE (acres):	_____	_____	_____
Timeline:	_____	_____	_____
Mitigation (type)	_____	_____	_____
Size (acres):	_____	_____	_____

Encroachment Ranking # _____

Technical Priority Ranking # _____

RE Delivery Ranking # _____

SRBPP – Parcel Information Sheet

Owner No. 1

BRI Site No. _____ DWR Site No. _____

Name: _____

Mailing Address: _____

APN: 35-030-008 _____

Existing Rights:

Preliminary Title Report: ☒ Not ordered ☐ Ordered Date: _____

Easement interest: _____

Agreements (JUA, CCUA, etc) with: _____

Leases: _____

Zoning: _____

Encroachments: Permitted ☐ Yes ☐ No ☐ Both

Describe Encroachments: See attached

Modification/Relo/Removal Notification Request sent to Owner: _____

Encroachment Ranking # _____

Rights Required:

Scoping PTE: Secured (Y) _____ (N) _____ (Effective date _____ & Expiration date _____)

Fee _____ ac Easement _____ ac (Type) _____ Setback Levee _____ ac

Mitigation _____ ac TCE _____ ac (Timeline _____)

Description of work/mitigation fulfillment: _____

Technical Priority Ranking # _____

RE Impact Analysis:

Improvements impacted: (Description) _____

Damages: ☐ Yes ☐ No _____

RAP required: ☐ Yes ☐ No _____

Improvement modification/removal: ☐ Yes ☐ No _____

Construction Contract Work: _____

RE Delivery Ranking # _____ Rank 1 (6-12 months), Rank 2 (12-18 months), Rank 3 (18-24 months)

Property Detail Report for:


RIEGO RD, SACRAMENTO CA , 95837-
Owner Information:

Owner Name:

Mailing Address:

Vesting Code: **TRUST**

Phone Number:

Location Information:

Legal Description:

County:	SUTTER	FIPS Code:	06101	Census Trct/Blk:	0071002 / 2
APN:	35030008	Alternative APN:	35030008	Map Ref:	-
Twnshp-Rnge-Sect:	--	Legal Book/Page:	35-03 /	Tract No:	
Legal Lot:	64	Legal Block:			
Subdivision:	NATOMAS BENNETT				

Last Market Sale Information:

Sale Date:		Sale Price:		1 st Mtg Amount:	
Sale Doc No:		Price Per SqFt:		1 st Mtg Int Type:	
Transfer Doc No:	0000027246	Price Per Acre:		2 nd Mtg Amount:	
Multi/Split Sale:		1 st Mtg Doc No:		2 nd Mtg Int Type:	
Sale Type:					
Deed Type:					
Title Company:					
Lender:					
Seller Name:					

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:		Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	\$244,375	Assessed Year:	2008	Est Market Val:	
Land Value:	\$239,692	Property Tax:	\$3,796	Assessor Appd Val:	
Improvement Value:	\$4,683	Improvement %:	1.91		
Total Taxable Value:	\$244,375	Tax Exemption:			

Site Information:

Assessor Acres:	72.58	Zoning:		Land Use:	400
Assessor Lot SqFt:	3,161,585	No of Buildings:		Land Use Desc:	VACANT LAND (NEC)
Assessor Lot W/D:	/	Res/Comm Units:		County Use Code:	
Calculated Acres:	76.2614	Sewer Type:			
Calculated Lot SqFt:	3,321,946	Water Type:			

Not in Fault Zone Hazard

Not in One Mile Industrial Commercial Zone

In 100yr. FEMA Flood Zone

In Dam Inundation Hazard

Not in Wildland Fire Hazard

Not in Severe Fire Hazard

SRBPP – Parcel Information Sheet**Owner No. 2**

BRI Site No. _____ DWR Site No. _____

Name: _____

Mailing Address: _____

APN: 35-362-001 _____

Existing Rights:Preliminary Title Report: ☒ Not ordered ☐ Ordered Date: _____

Easement interest: _____

Agreements (JUA, CCUA, etc) with: _____

Leases: _____

Zoning: _____

Encroachments: Permitted ☐ Yes ☐ No ☐ Both

Describe Encroachments: See attached

Modification/Relo/Removal Notification Request sent to Owner: _____

Encroachment Ranking # _____

Rights Required:

Scoping PTE: Secured (Y) _____ (N) _____ (Effective date _____ & Expiration date _____)

Fee _____ ac Easement _____ ac (Type) _____ Setback Levee _____ ac

Mitigation _____ ac TCE _____ ac (Timeline _____)

Description of work/mitigation fulfillment: _____

Technical Priority Ranking # _____

RE Impact Analysis:

Improvements impacted: (Description) _____

Damages: ☐ Yes ☐ No _____RAP required: ☐ Yes ☐ No _____Improvement modification/removal: ☐ Yes ☐ No _____

Construction Contract Work: _____

RE Delivery Ranking # _____ Rank 1 (6-12 months), Rank 2 (12-18 months), Rank 3 (18-24 months)

Property Detail Report for:



, NICOLAUS CA , 95659-

Owner Information:

Owner Name:

Mailing Address:

Vesting Code: TRUST

Phone Number:

Location Information:

Legal Description:

County: SUTTER

FIPS Code: 06101

Census Trct/Blk: /

APN: 35362001

Alternative APN: 35362001

Map Ref: -

Twnshp-Rnge-Sect: - -

Legal Book/Page: 35-36 /

Tract No:

Legal Lot: 25

Legal Block:

Subdivision: LAUPPE

Last Market Sale Information:

Sale Date: 12/01/1976

Sale Price:

1st Mtg Amount:

Sale Doc No: 0000881096

Price Per SqFt:

1st Mtg Int Type:

Transfer Doc No: 0000026414

Price Per Acre:

2nd Mtg Amount:

Multi/Split Sale:

1st Mtg Doc No:2nd Mtg Int Type:

Sale Type:

Deed Type:

Title Company:

Lender:

Seller Name:

Property Characteristics:

Building Area:

Total Rooms:

Construction:

Living Area:

Bedrooms:

Heat Type:

Garage Area:

Baths:

Air Cond:

Basement Area:

Fireplace:

Roof Type:

Parking Type:

No of Stories:

Roof Material:

Yr Built/Effective: /

Quality:

Style:

Pool Code:

Tax and Value Information:

Assessed Value: \$12,559

Assessed Year: 2008

Est Market Val:

Land Value: \$12,559

Property Tax: \$158

Assessor Appd Val:

Improvement Value:

Improvement %:

Total Taxable Value: \$12,559

Tax Exemption:

Site Information:

Assessor Acres: 0.62

Zoning:

Land Use: 400

Assessor Lot SqFt: 27,007

No of Buildings:

Land Use Desc: VACANT LAND (NEC)

Assessor Lot W/D: /

Res/Comm Units:

County Use Code:

Calculated Acres: 0.6404

Sewer Type:

Calculated Lot SqFt: 27,895

Water Type:

Not in Fault Zone Hazard

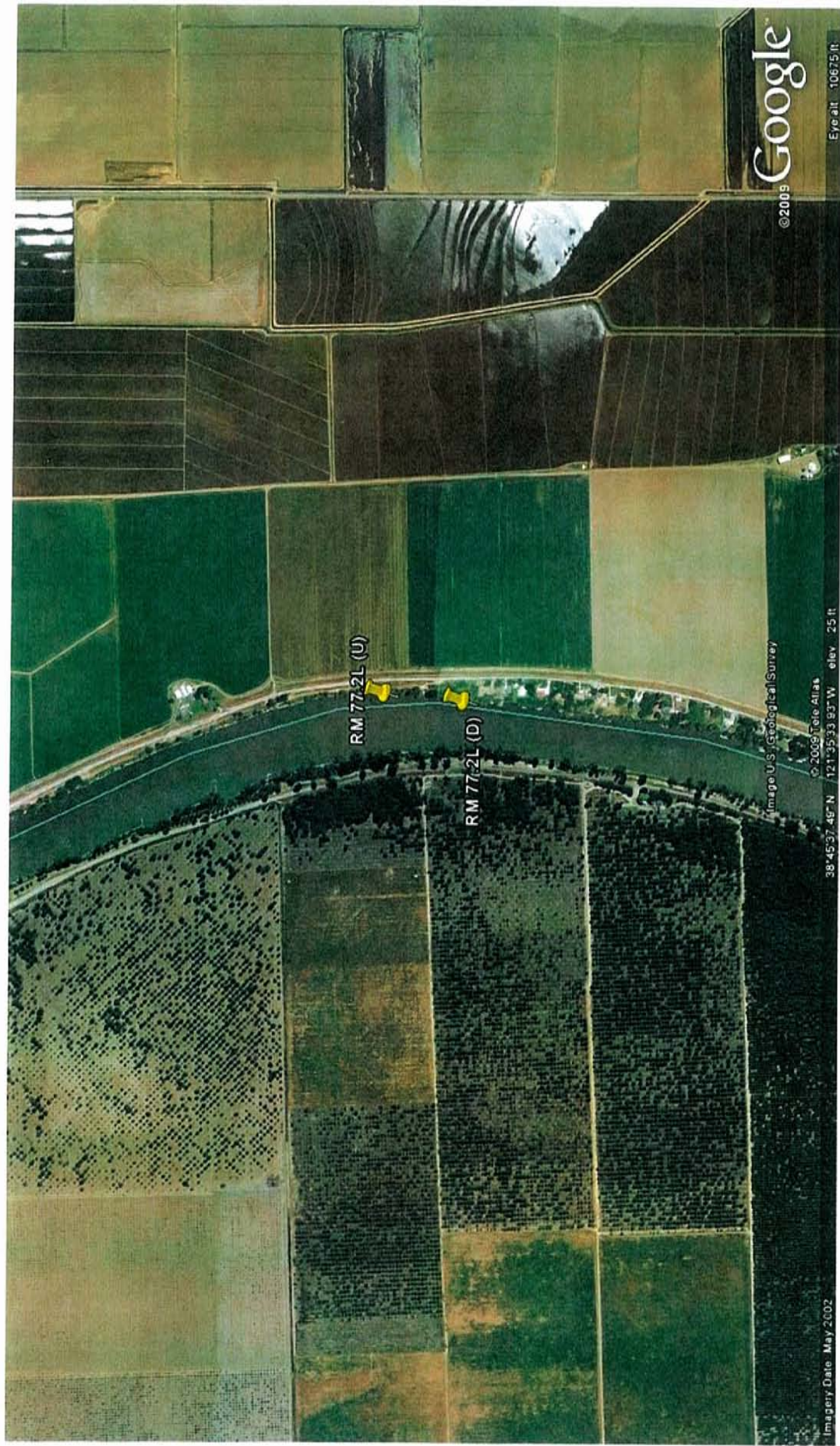
Not in One Mile Industrial Commercial Zone

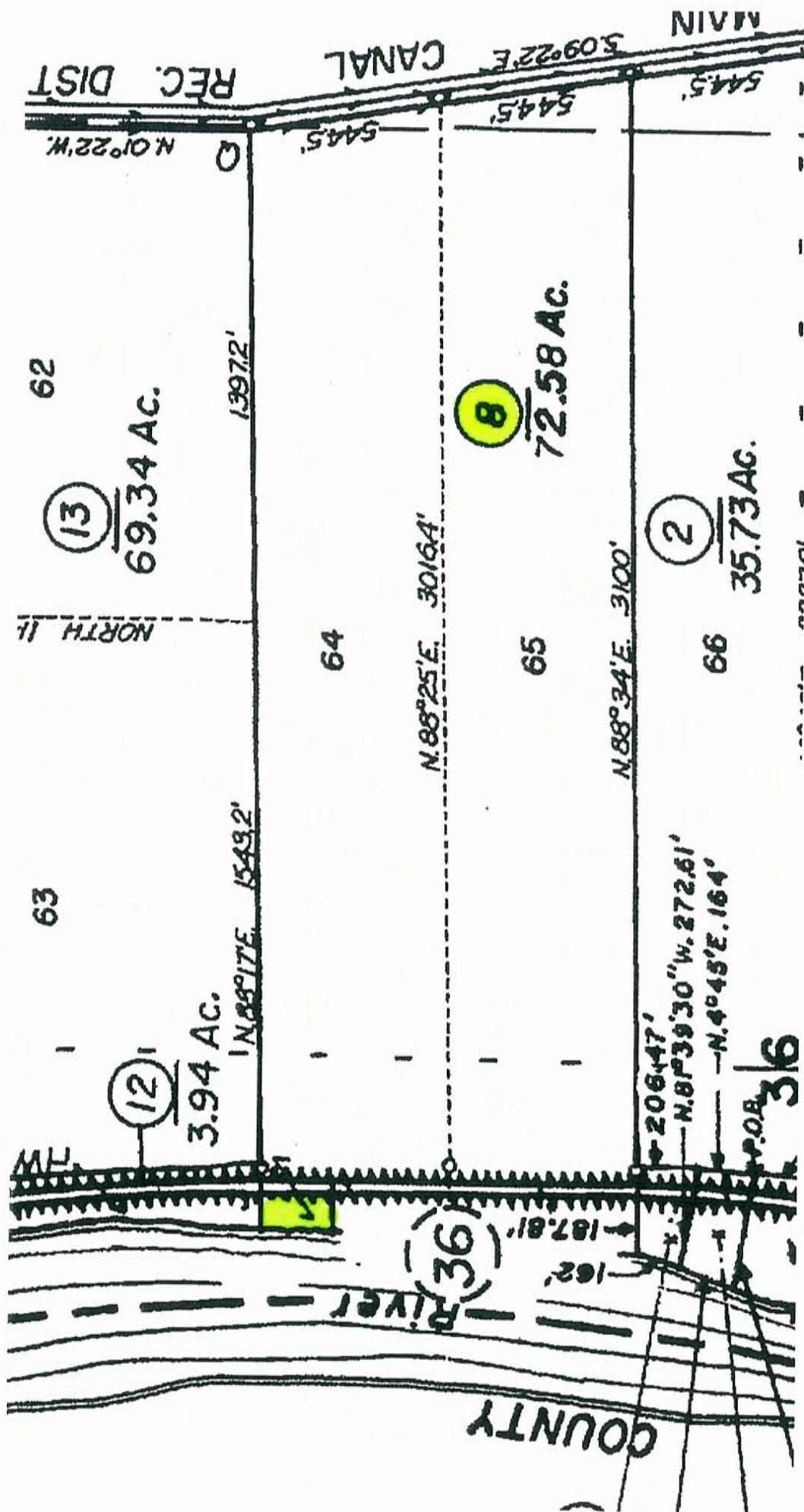
In 100yr. FEMA Flood Zone

In Dam Inundation Hazard

Not in Wildland Fire Hazard

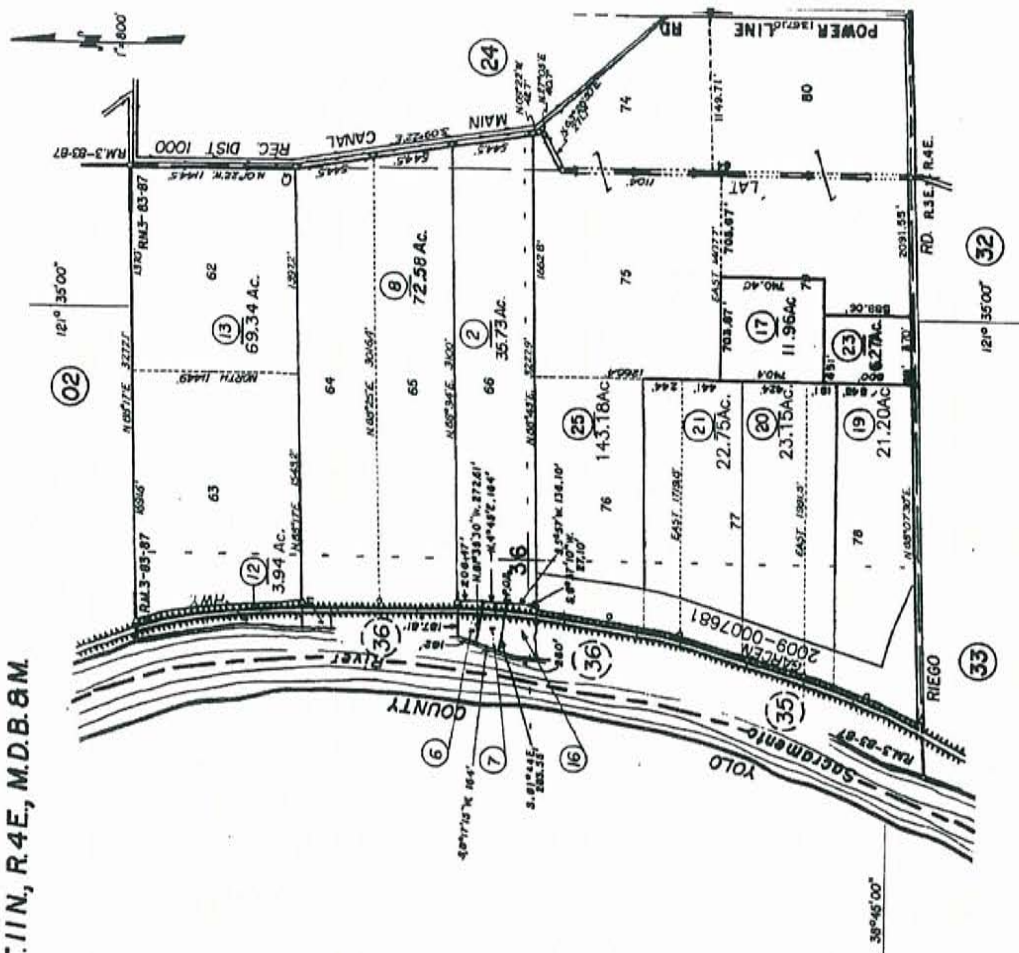
Not in Severe Fire Hazard

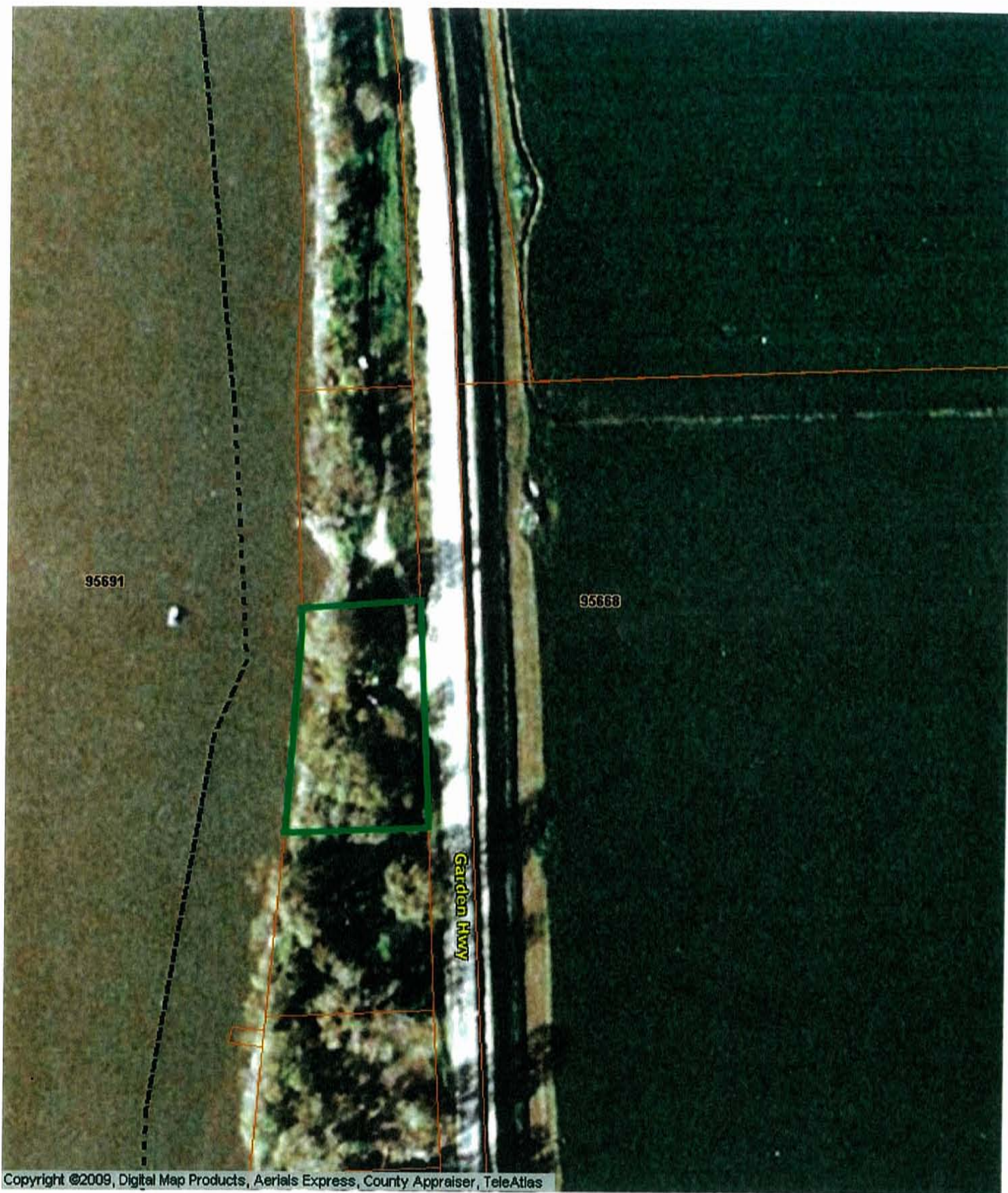




POR. SEC. 31, T.11N., R.4E., M.D.B. & M.

2007 2 2





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**BENDER
ROSENTHAL, INC.**

COMMERCIAL VALUATION AND RIGHT OF WAY SERVICES

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1" = 123'

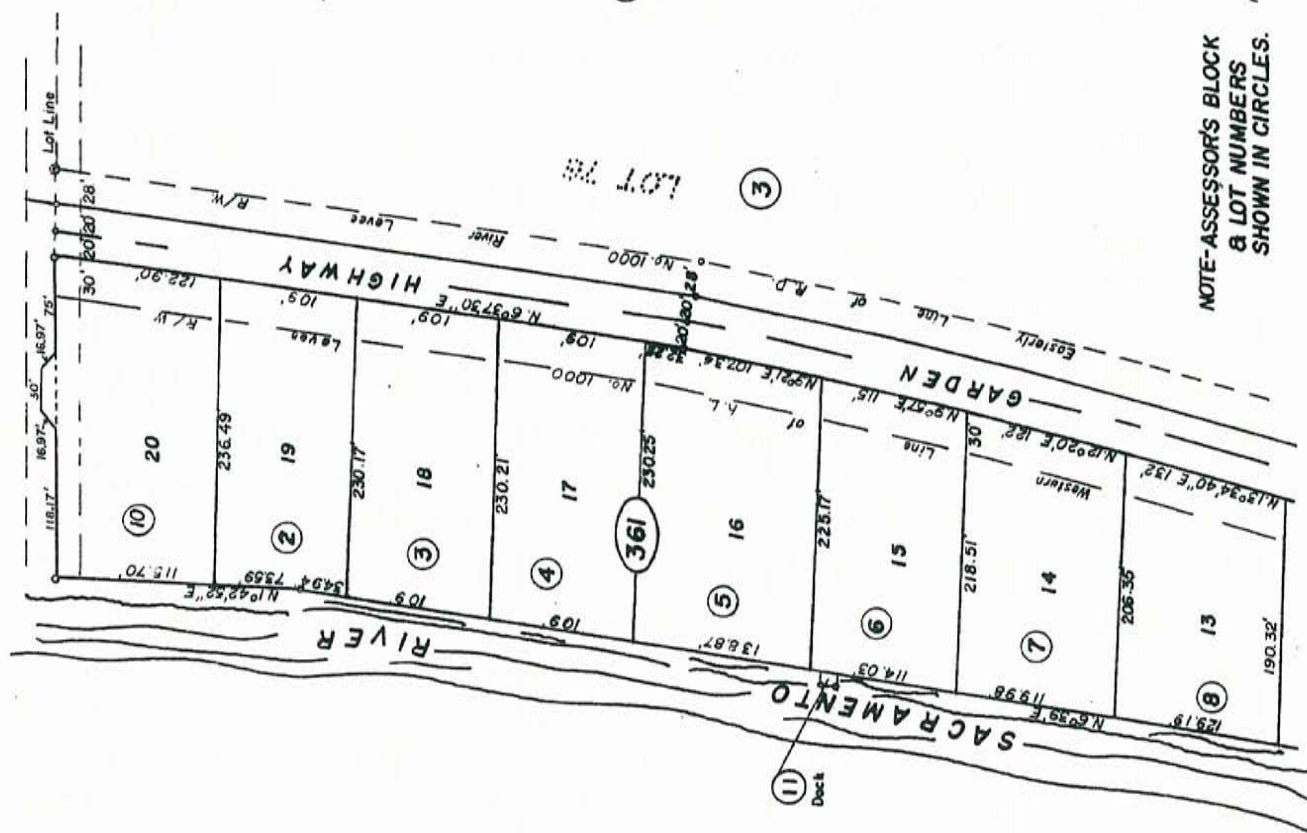


LandVision

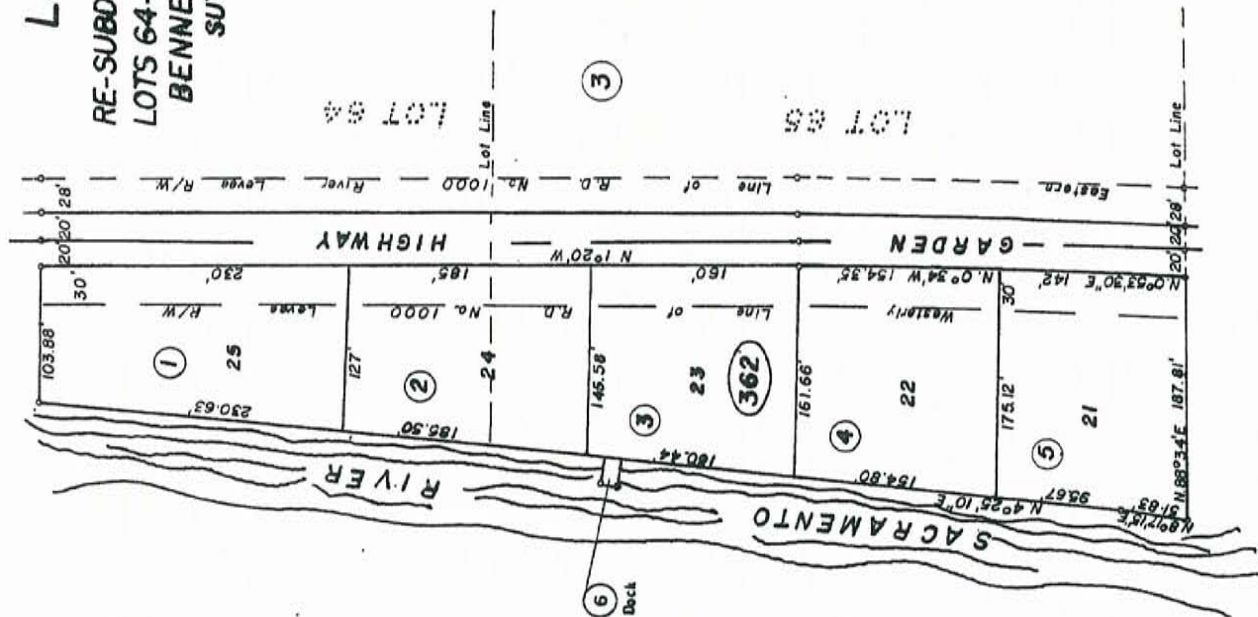
LAUPPE TRACT

R. M. Bk. 8, Pg. 98

RE-SUBDIVISION OF PORTIONS OF
LOTS 64-65-76-77 & 78 NATOMAS
BENNETT SUBDIVISION.
SUTTER COUNTY, CALIFORNIA.



NOTE-ASSESSOR'S BLOCK
& LOT NUMBERS
SHOWN IN CIRCLES.



AUG 10 2000

Assessor's Map Bk. 35 - Pg. 36
County of Sutter, Calif.

1999-1

P.M.H.

To: Mark Boedtker, PE, Sacramento District of the Corps of Engineers

Cc: Thomas W. Smith, PE, GE

From: Anthony Alvarado, PE

Date: January 19, 2008

Re: Relocation Design Memorandum for the Pump Structure at Sacramento River Mile (SAC RM) 77.2L as part of Contract 3 of the 2008 Erosion Sites of the Sacramento River Bank Protection Project. Contract # W91238-07-D-0038 Task Order 0002.

EXISTING CONDITIONS

The erosion site at SAC RM 77.2L is located on the left bank of the Sacramento River less than 2 miles south of Verona and the confluence with the Feather River. **Figure 1** shows the project location of the erosion site. **Figure 2** shows the pump structure in the middle of the site near the largest erosion pocket. The site at SAC RM 77.2L is similar to a previously repaired erosion site at SAC RM 78.0L. There is no existing revetment apart from sporadic concrete rubble dumped within the project limits, but there is rock revetment upstream of the site. The site was added in 2000 to the erosion inventory because of the erosion pocket at the structure. There are numerous tree popouts and leaning trees.

Figure 3 shows the existing cross section at the location of the pump structure.

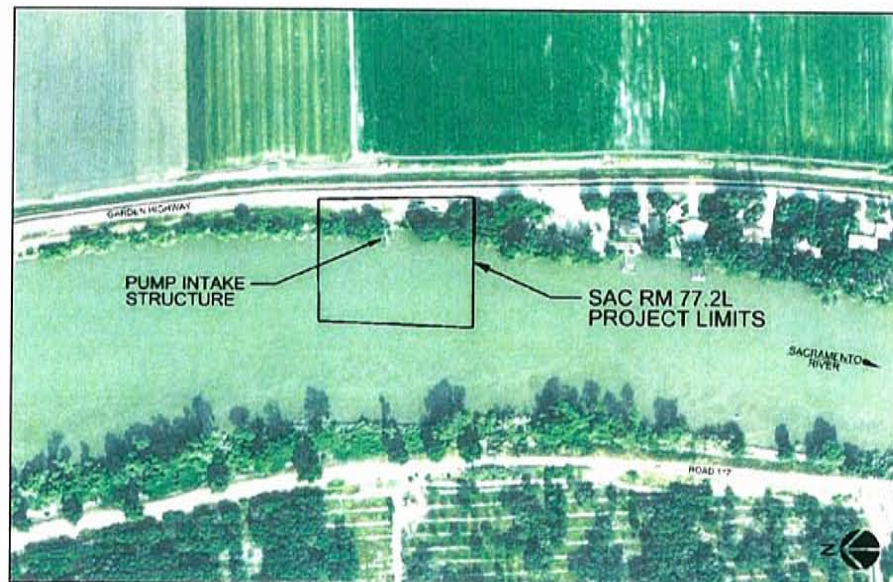


Figure 1. Plan view of the erosion site at SAC RM 77.2L.

Memorandum (continued)

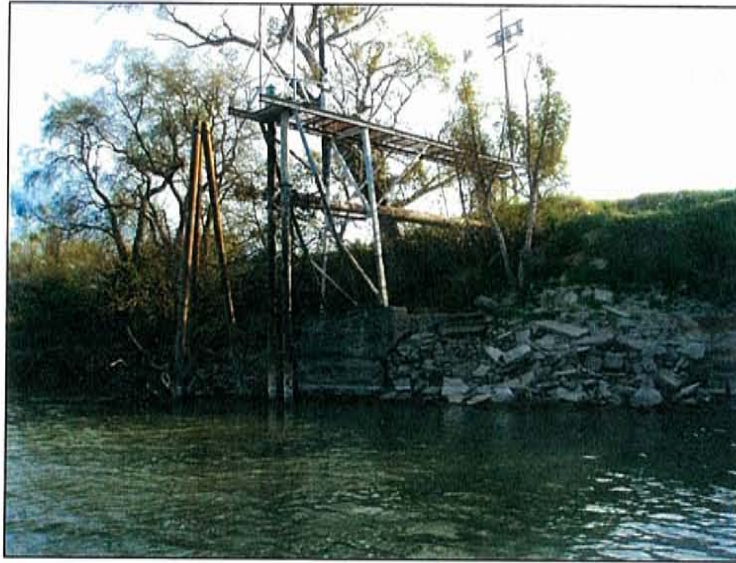


Figure 2. View from river of pump structure at SAC RM 77.2L.

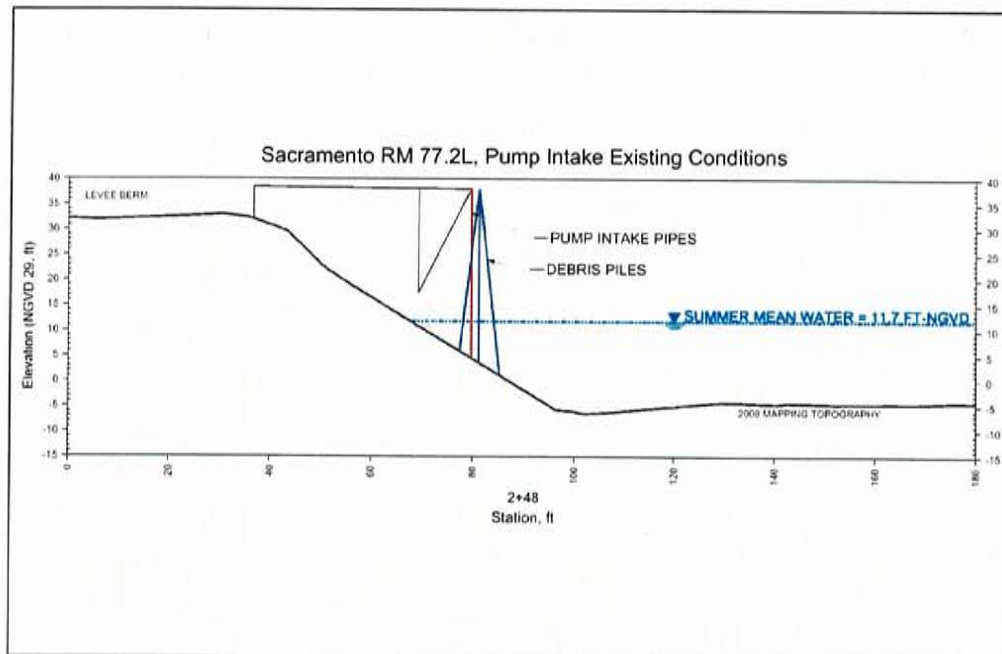


Figure 3. Existing conditions cross section at SAC RM 77.2L at the pump structure.

Memorandum (continued)

DESIGN CONDITIONS

In order to protect the site from further bank erosion and to stabilize the slope, bank protection has been designed for the site incorporating a mix of quarry stone, soil-filled quarry stone, and environmental features.

Figure 4 shows the design cross section along with where the pipe inlet is relative to the design. The design has a 2:1 sloped quarry stone lower surface along with roughly a 12 ft bench for planting, environmental features, and vegetation. The upper slope is designed to be 3 ft thick and also at a 2:1 slope.

As currently designed, the pipe structure inlet would be significantly buried by quarry stone due to the amount of quarry stone needed to adequately protect the slope from further erosion and slope failure.

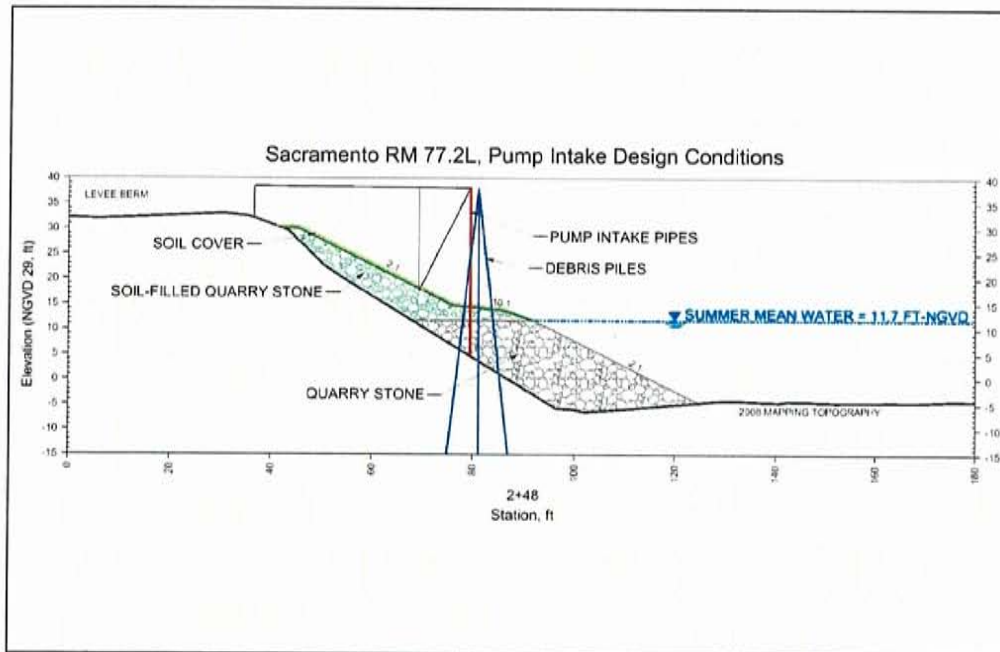


Figure 4. Design conditions cross section at SAC RM 77.2L at the pump structure location.

RECOMMENDATIONS

Ayres has analyzed 2 alternatives for the relocation of the pump structure to coordinate with the bank protection design. The bank protection design cannot be altered and must be maintained in this area otherwise the integrity of the erosion protection will be compromised. Therefore, 2 alternatives are proposed.

Memorandum (continued)

Alternative #1 is to build the bank protection around the existing structure after removing the pump inlet. Then the platform could be extended further out past the bank protection and a new pump inlet installed. This may be feasible but the risk is the potential damage to the existing structure during the construction of the bank protection. It will also be difficult to build a new footing on top of the quarry stone.

Alternative #2 is to remove the pump structure entirely. The designed bank protection would then be constructed. After construction, a new pump structure would be installed using new pilings or concrete footings past the toe of the quarry stone and a new structure footing at the berm with a new platform and pipe intake. Alternative #2 is shown in **Figure 5**.

Ayres recommends Alternative #2. In Alternative #1, there is too much risk of damage to the existing structure during construction and also other structural instability issues. Alternative #2 is significantly more expensive but is necessary.

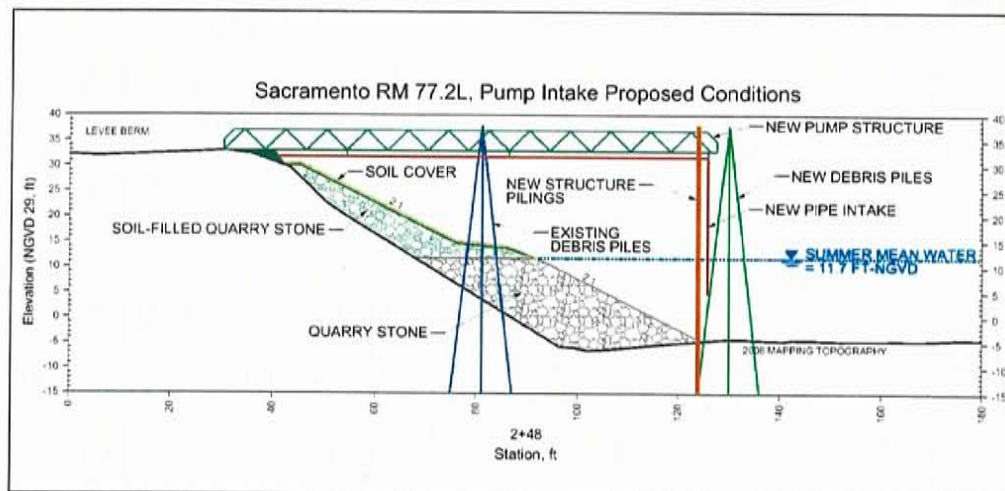


Figure 5. Proposed conditions cross section at SAC RM 77.2L at the pump structure location.

ESTIMATED RELOCATION COSTS

The cost to remove and replace the pump structure is estimated to be \$391,435 and the cost for a temporary pump during construction is estimated to be about \$10,000. Cost information was developed with assistance from Rain for Rent (temporary set-up) and West Coast Docks, Inc, in Walnut Grove, CA, and is summarized in **Table 1** below.

Table 1. Cost Summary.	
Temporary Pumping Setup (3 Months)	\$ 10,000
Pipe Removal and Re-Installation	\$391,435
Total	\$401,435

Recorded Deeds

BRI Site No.: Not assigned (APN 35-030-008 and 35-362-001)

Site Description: Sacramento River, RM 77.2L (377 feet)

Reclamation District: RD No. 1000

County: Sutter

Rights Acquired by SSJDD: ☒ Easement ☐ Fee

DWR Deed No.: 2062 10623 13205

Deed Recording Date: 08-02-56 01-08-74 01-15-98

Book and Page: 3131 OR 148* 821 OR 92 Instr. # 199800548

Tracing No.: --- 2-1044, 6/15 2-1114, Sht. 31 of 36

Rights Acquired by RD 1000: ☒ Easement ☐ Fee

RD 1000 Deeds:

Deed Recording Date: 4-12-1913* 5-19-1913 9-06-1917 7-29-1992

Book and Page: 371/395 50/387 59/277 1488/300

* Recorded in Sacramento County

EXHIBIT D

SITE SPECIFIC REAL ESTATE INVENTORY CHECK LIST

SITE SPECIFIC REAL ESTATE INVENTORY CHECK LIST

The following topics will be updated and the information provide to the PDT when sites are identified and selected prior to construction. A Real Estate Addendum to this Real Estate Plan will be provided to SPD real estate for review and approval.

The numbering references the categories listed in the Table of Contents to this Real Estate Plan.

- 4. DESCRIPTION OF LERRD'S
- 5. LERRD'S OWNED BY THE NFS AND CREDITING
- 7. DESCRIPTION OF ANY EXISTING FEDERAL PROJECT IN OR PARTIALLY IN THE PROPOSED PROJECT
- 11. ANTICIPATED INCREASED FLOODING AND IMPACTS
- 12. COST ESTIMATE
- 13. RELOCATION ASSISTANCE BENEFITS
- 17. ACQUISITION SCHEDULE
- 18. DESCRIPTION OF FACILITY AND UTILITY RELOCATIONS
- 19. HAZARDOUS, TOXIC, AND RADIOLOGICAL WASTE IMPACTS
- 20. ATTITUDE OF LAND OWNERS AND COMMUNITY

EXHIBIT E

AUTHORIZATION FOR ENTRY FOR CONSTRUCTION

AUTHORIZATION FOR ENTRY FOR CONSTRUCTION

I, (name of accountable official), (title) for
(name of non-Federal sponsor), do hereby certify that the
(name of non-Federal sponsor) has acquired the real property
interests required by the Department of the Army, and construction of
(project name, specifically identified project features, etc.).
Further, I hereby authorize the Department of the Army, its agents,
employees and contractors, to enter upon (identify tracts) to
construct (project name, specifically identified project features,
etc) as set forth in the plans and specifications held in the U.S.
Army Corps of Engineers' _____ District Office, City and
State.

WITNESS my signature as (title) for (name of non-
Federal sponsor) this _____, 20____.

BY: _____